



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail Certificate Under 37 C.F.R. §1.10

"EXPRESS MAIL" MAILING LABEL NUMBER: EV 316158194 US  
DATE OF DEPOSIT: January 14, 2004

I, Ryan S. Loveless, hereby certify that this paper (along with any papers and fees referred to as being attached or enclosed or actually enclosed) is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above, with sufficient postage, and is addressed as follows:

Mail Stop AF  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

*Ryan S. Loveless*

Signature of person mailing paper

In re Application of: Phillips, Barry L.  
Serial No.: 09/753,944  
Filing Date: January 3, 2001  
Group Art Unit: 1723  
Examiner: David L. Sorkin  
For: **Gas Stream Vortex Mixing System  
and Method**

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO FINAL OFFICE**  
**ACTION MAILED NOVEMBER 14, 2003**

Sir:

The Final Office Action mailed November 14, 2003, established a three-month shortened statutory time period to respond. As such, the three-month shortened statutory time to respond is February 14, 2004. This Response is being filed on

Attorney Docket No. 82274.472023  
Customer No. 24347

AMENDMENT AND RESPONSE  
SERIAL NO. 09/753,944

2

January 14, 2004, two months from the mailing date of the Final Office Action.

**Amendments to the Claims** begin on page 3; **Remarks** begin on page 16; and the **Conclusion** begins on page 20 of this paper.

1-16-04

Image

AF  
1723

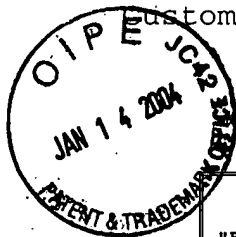
Attorney Docket No. 82274.472023

TRANSMITTAL LETTER

Customer No. 24347

1

SERIAL NO. 09/753,944



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Express Mail Certificate Under 37 C.F.R. §1.10

"EXPRESS MAIL" MAILING LABEL NUMBER: EV 316158194 US

DATE OF DEPOSIT:

January 14, 2004

I, Ryan S. Loveless, hereby certify that this paper (along with any papers and fees referred to as being attached or enclosed or actually enclosed) is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above, with sufficient postage, and is addressed as follows:

MAIL STOP AF  
COMMISSIONER FOR PATENTS  
P. O. BOX 1450  
ALEXANDRIA, VA 22313-1450

*Ryan S. Loveless*

Signature of person mailing paper

In re Application of: Phillips, Barry L.

Serial No.: 09/753,944

Filing Date: January 3, 2001

Group Art Unit: 1723

Examiner: David L. Sorkin

For: **Gas Stream Vortex Mixing System  
and Method**

MAIL STOP AF  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER AND FEE CALCULATION SHEET  
FOR AMENDMENT AND RESPONSE  
TO OFFICE ACTION MAILED NOVEMBER 14, 2003**

Dear Sir:

Enclosed please find the following:

- a postcard acknowledgment of receipt of papers by the Patent Office;

Attorney Docket No. 82274.472023  
Customer No. 24347

2

TRANSMITTAL LETTER  
SERIAL NO. 09/753,944

- Amendment and Response to Office Action Mailed November 14, 2003;

Please stamp and return the enclosed postcard.

The fee calculation for the claims as amended are as follows:

					SMALL ENTITY	
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDI- TIONAL FEE
Total Claims	20	Minus	42	= 0	x \$18=	\$0.00
Independent Claims	4	Minus	5	= 0	x \$86=	\$0.00
					TOTAL ADDIT. FEE	\$0.00

No fees are believed to be due at this time. To the extent that any further fees, whatsoever, are required at any time during prosecution of this application, including petition and extension fees, the Commissioner is hereby authorized to charge payment of any additional fees, including any under 37 C.F.R. § 1.16 or 37 C.F.R. § 1.17, to Deposit Account No. 23-3189 Hunton & Williams (Dallas) and reference Attorney Docket No. 82274.472023. Please credit any overpayments to this same Deposit Account.

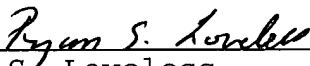
Please direct all correspondence to the practitioner listed below at Customer No. 24347.

Attorney Docket No. 82274.472023  
Customer No. 24347

3

TRANSMITTAL LETTER  
SERIAL NO. 09/753,944

Respectfully submitted,

  
\_\_\_\_\_  
Ryan S. Loveless  
Registration No. 51,970

Hunton & Williams LLP  
Energy Plaza, 30th Floor  
1601 Bryan Street  
Dallas, TX 75201-3402  
Tel: 214.979.3093  
Fax: 214.880.0011  
email: rloveless@hunton.com

ATTORNEY FOR APPLICANT

January 14, 2004